Test Information

Test Time : 2024/03/13 14:23:01	Temperature:25C
Standard:TIA-568-C.2 Cat5E	Test Result:Pass
Cable Length:305m	Cable Type:
Tester:	Cable ID:

Test Result List

Test Item	Unit	Test Result
Insertion Loss	dB/100m	Pass
Delay	ns/100m	Pass
Delay Skew	ns/100m	Pass
Return Loss	dB	Pass
NEXT	dB@100m	Pass
PS NEXT	dB@100m	Pass
ACRF	dB@100m	Pass
PS ACRF	dB@100m	Pass

Inspector:

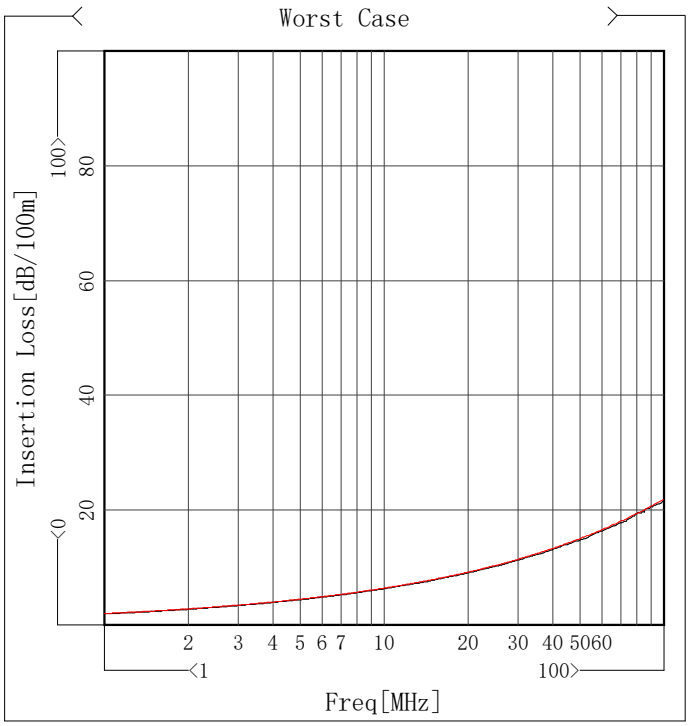
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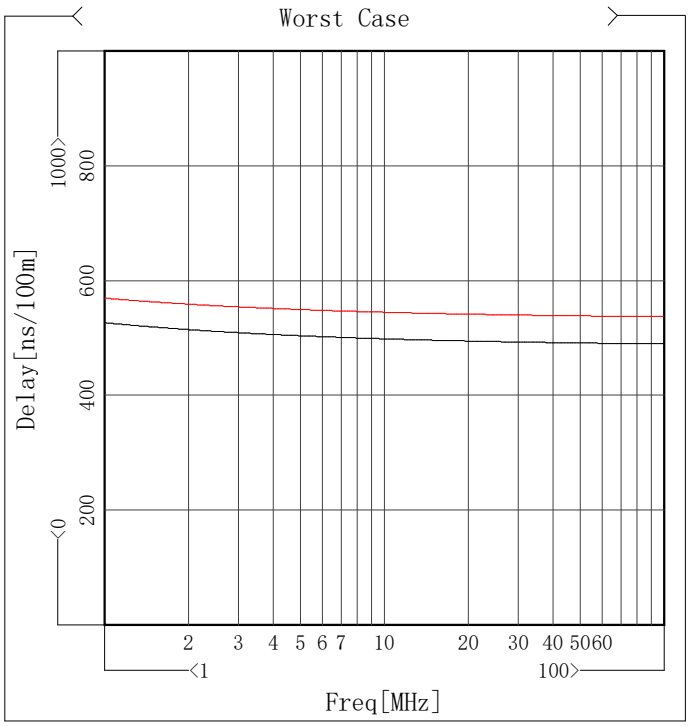
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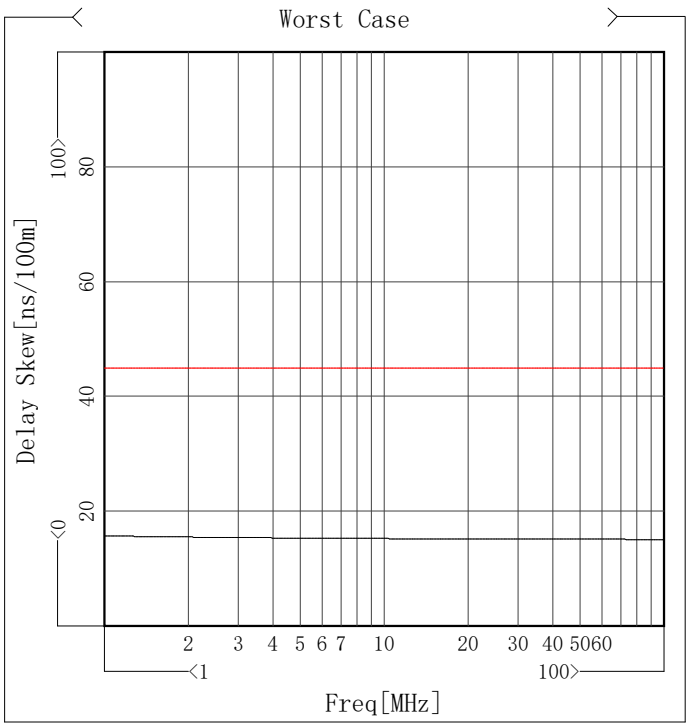
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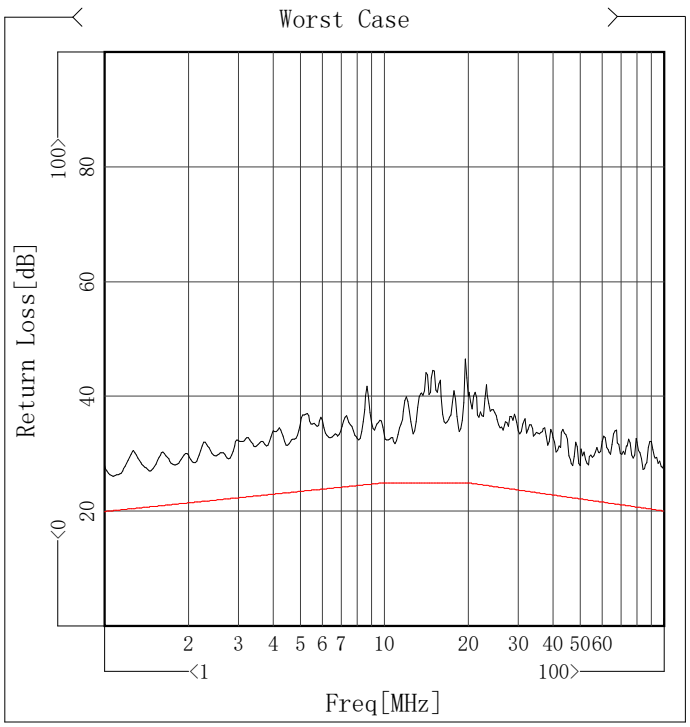
Worst Summary Of High Freq Parameter

Item	Max	Freq[MHz]	Spec	Margin	Min	Freq[MHz]	Spec	Margin
✔ Insertion Loss[dB/100m]	19.69	82.28	19.74	0.05	/	/	/	/
✔ Delay[ns/100m]	526.32	1.05	569.06	42.74	/	/	/	/
✔ Delay Skew[ns/100m]	15.76	1.00	45.00	29.24	/	/	/	/
✔ Return Loss[dB]	/	/	/	/	27.96	47.80	22.35	5.61



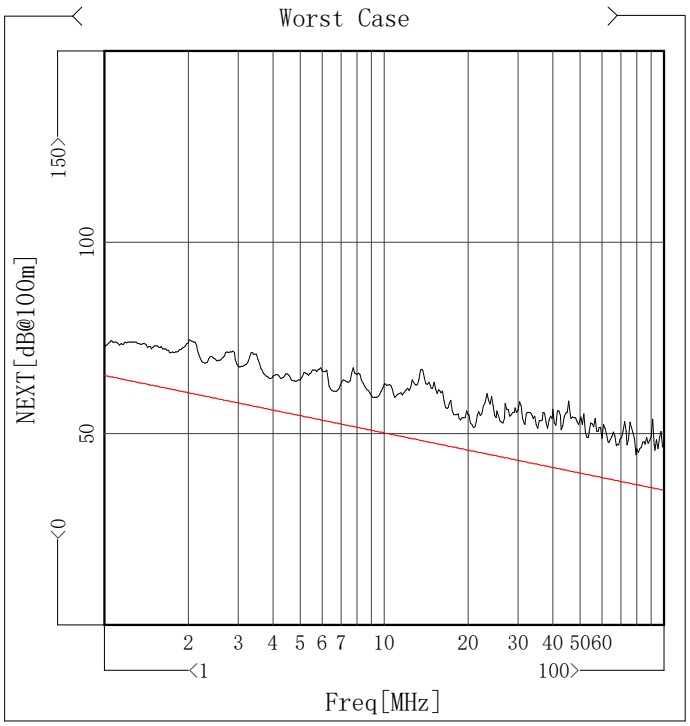


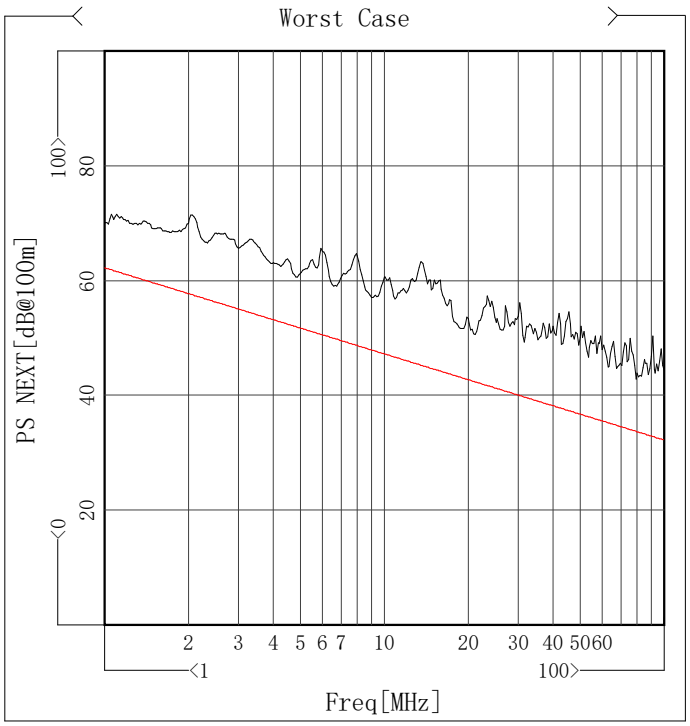


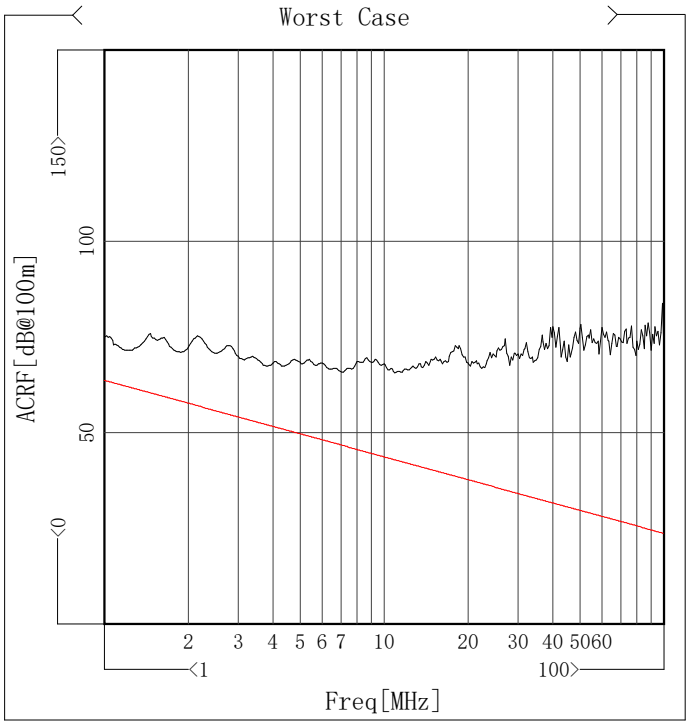


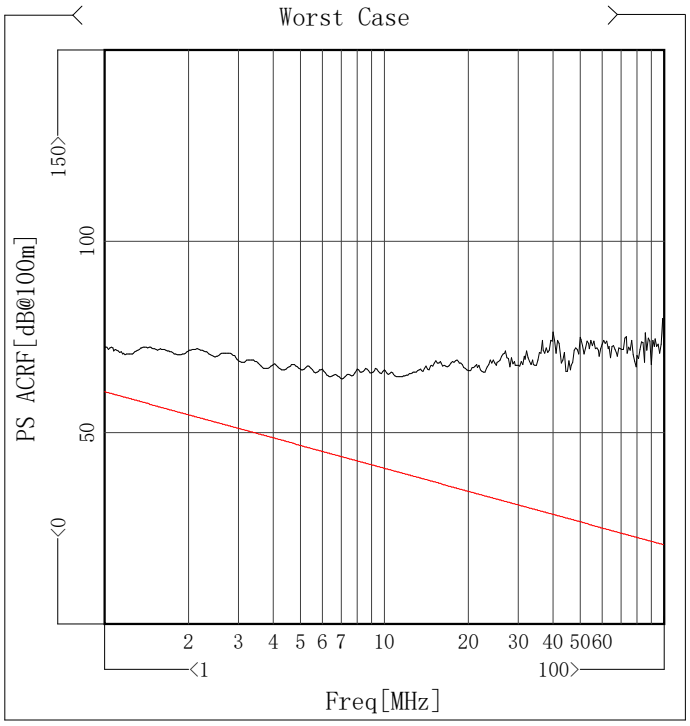
Worst Summary Of High Freq Parameter(2)

Item	Min	Freq[MHz]	Spec	Margin
✔ NEXT[dB@100m]	51.63	21.08	45.44	6.19
✔ PS NEXT[dB@100m]	70.06	1.00	62.30	7.76
✔ ACRF[dB@100m]	71.66	1.20	62.19	9.47
✔ PS ACRF[dB@100m]	70.73	1.18	59.39	11.34



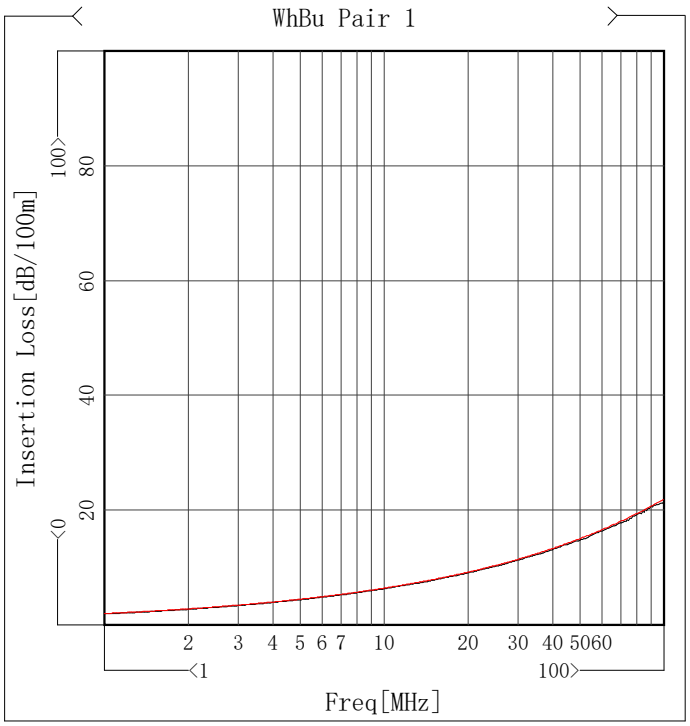


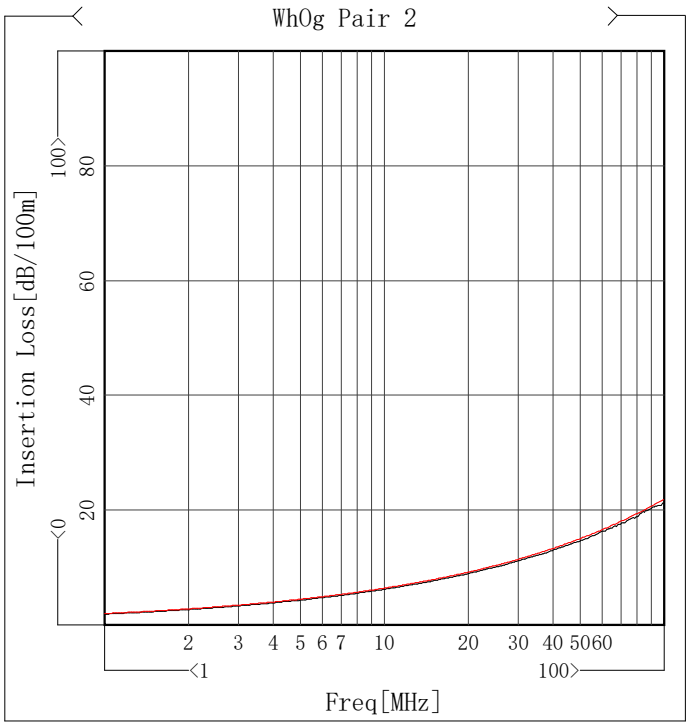


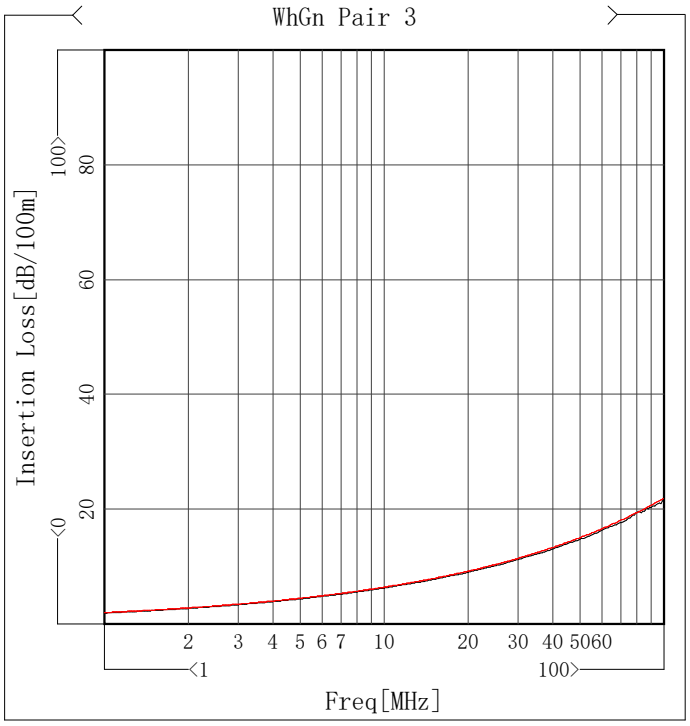


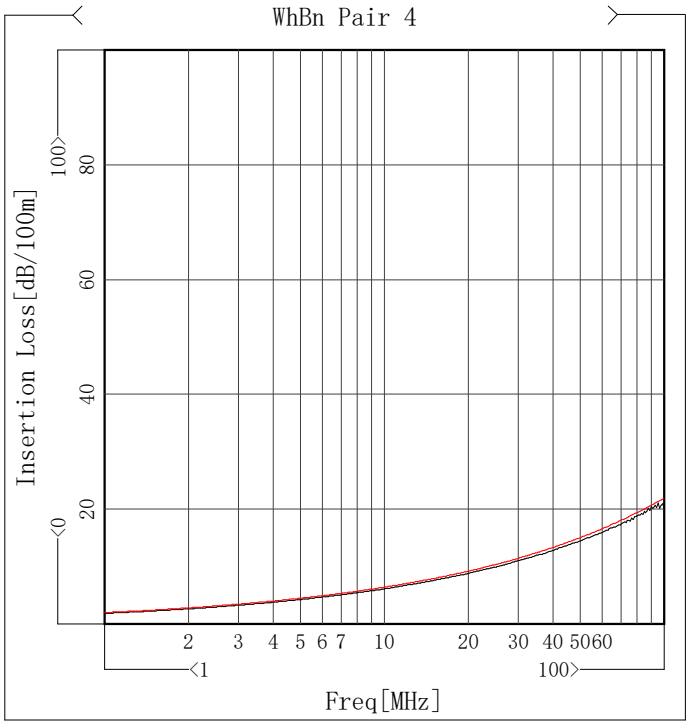
Insertion Loss

Item	Max [dB/100m]	Freq[MHz]	Spec [dB/100m]	Margin [dB/100m]
WhBu Pair 1	2.07	1.11	2.14	0.07
WhOg Pair 2	2.30	1.42	2.41	0.11
WhGn Pair 3	19.69	82.28	19.74	0.05
WhBn Pair 4	2.00	1.11	2.14	0.14



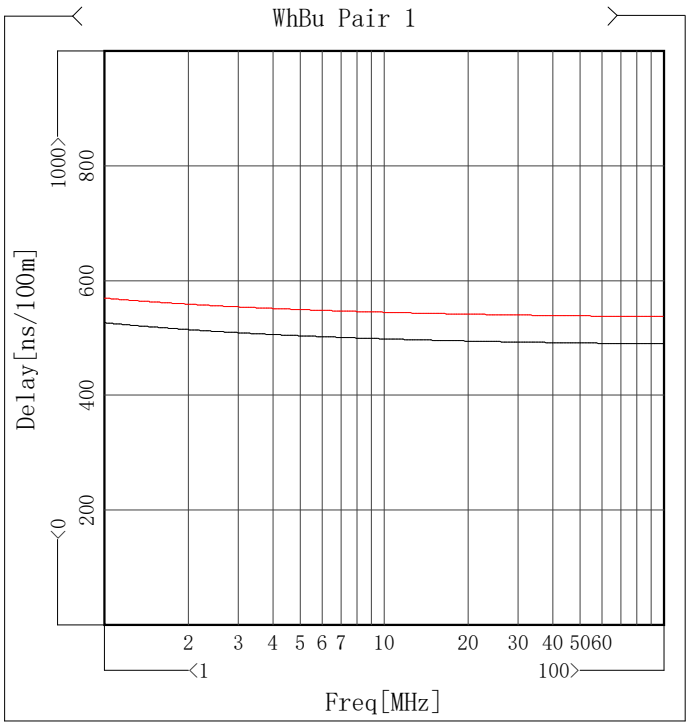


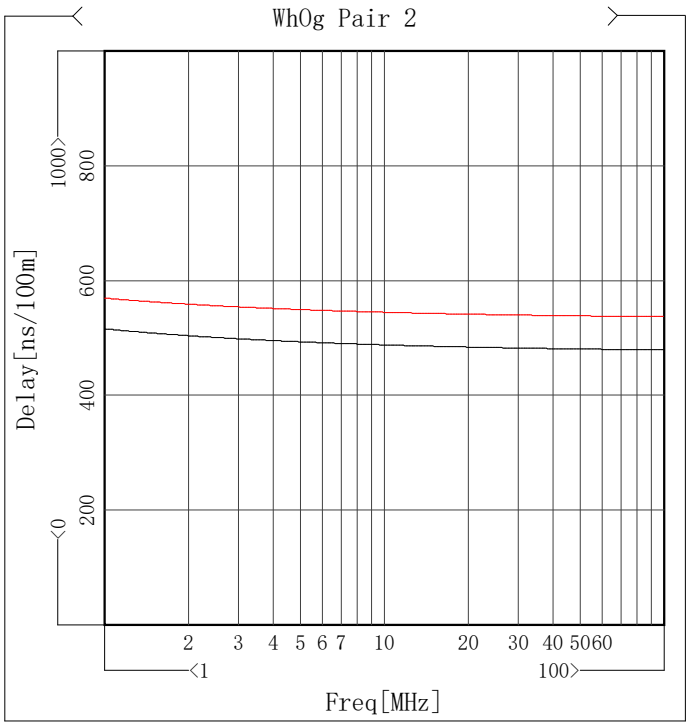


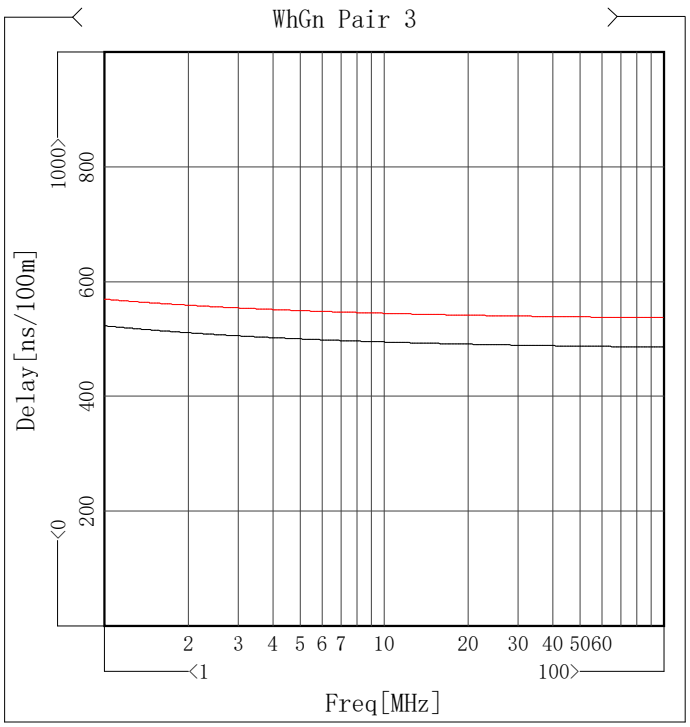


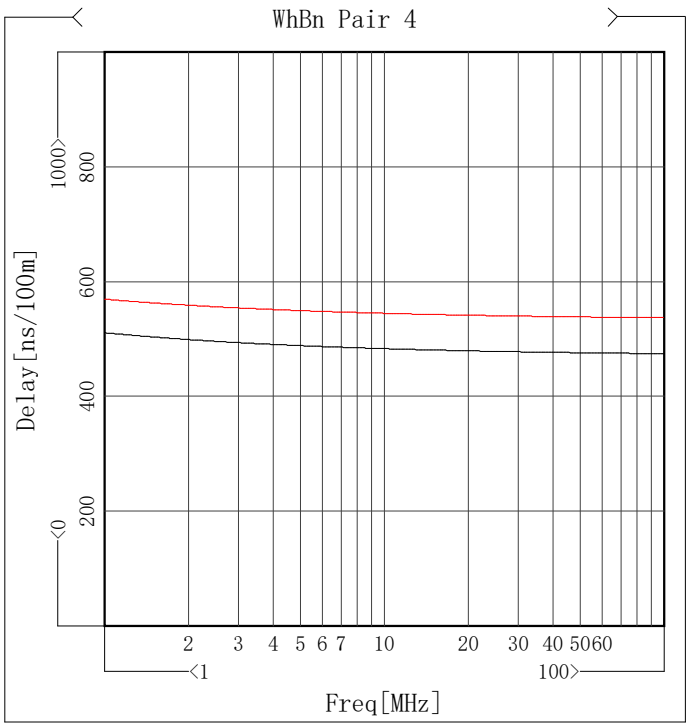
Delay

Item	Max [ns/100m]	Freq[MHz]	Spec [ns/100m]	Margin [ns/100m]
WhBu Pair 1	526.32	1.05	569.06	42.74
WhOg Pair 2	516.08	1.03	569.52	53.44
WhGn Pair 3	522.93	1.04	569.29	46.36
WhBn Pair 4	510.58	1.05	569.06	58.48



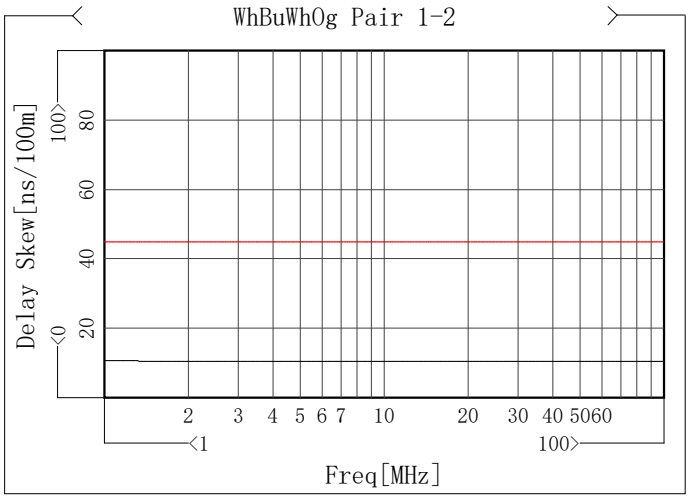


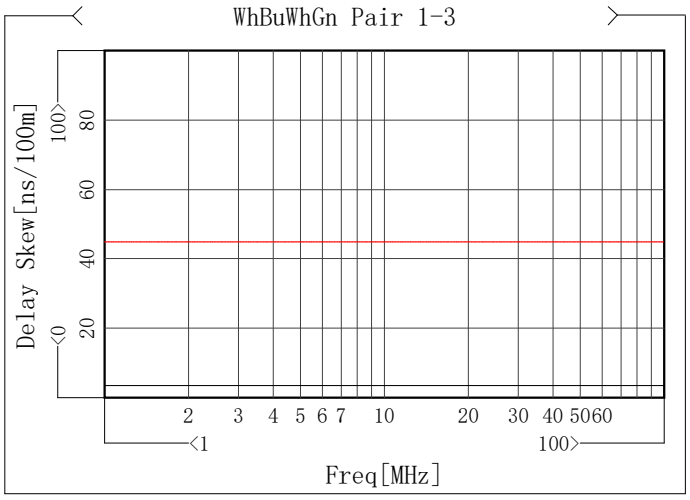


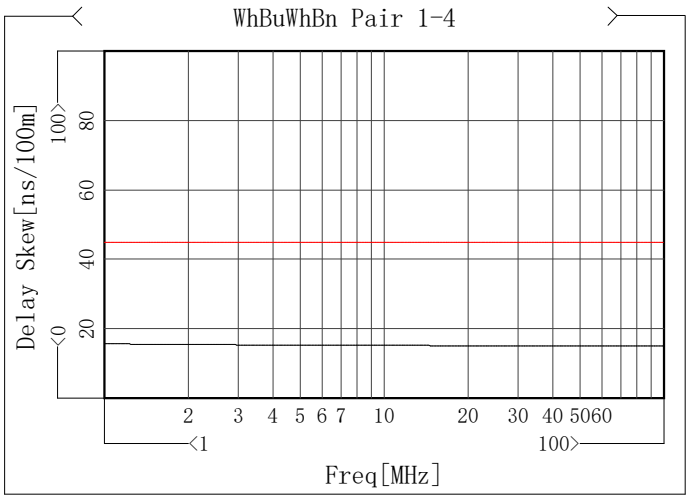


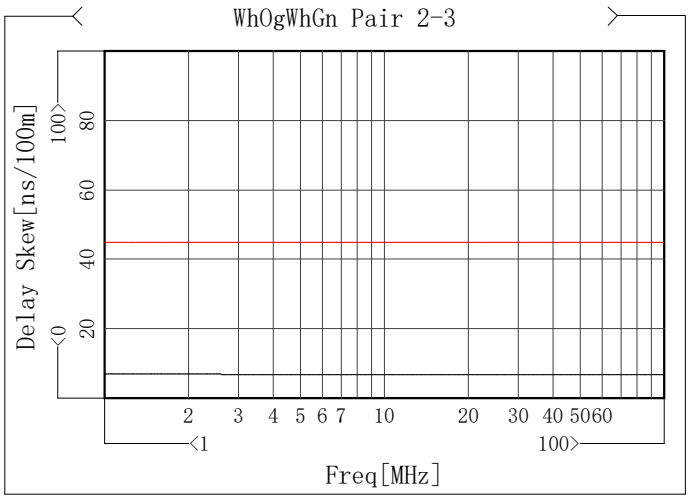
Delay Skew

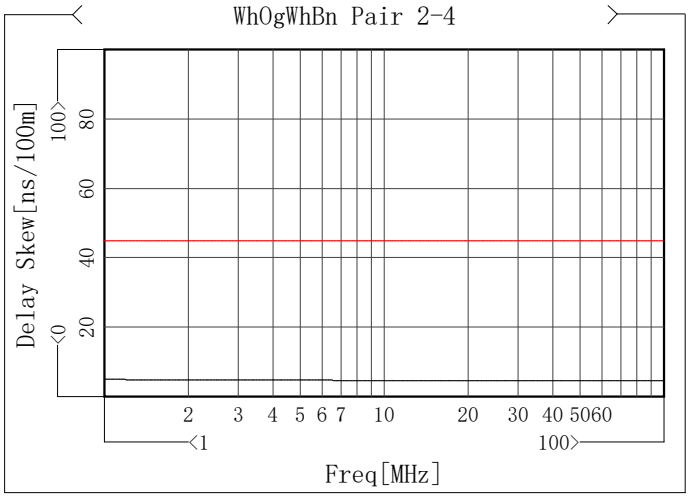
Item	Max [ns/100m]	Freq[MHz]	Spec [ns/100m]	Margin [ns/100m]
WhBuWhOg Pair 1-2	10.70	1.14	45.00	34.30
WhBuWhGn Pair 1-3	3.65	100.00	45.00	41.35
WhBuWhBn Pair 1-4	15.76	1.00	45.00	29.24
WhOgWhGn Pair 2-3	7.09	1.03	45.00	37.91
WhOgWhBn Pair 2-4	5.05	1.00	45.00	39.95
WhGnWhBn Pair 3-4	12.13	1.03	45.00	32.87

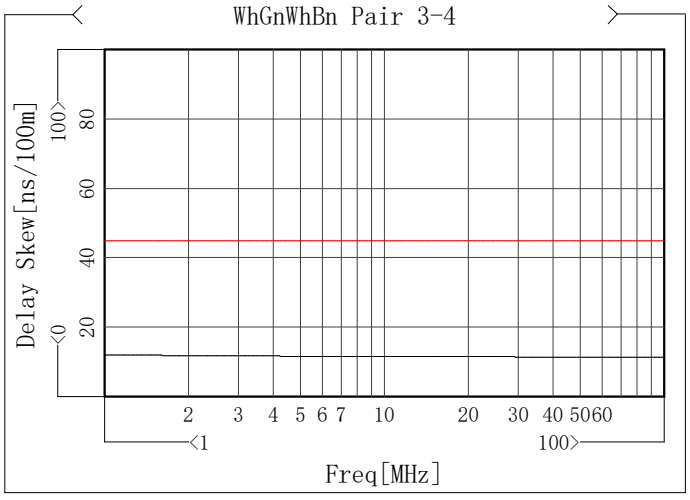






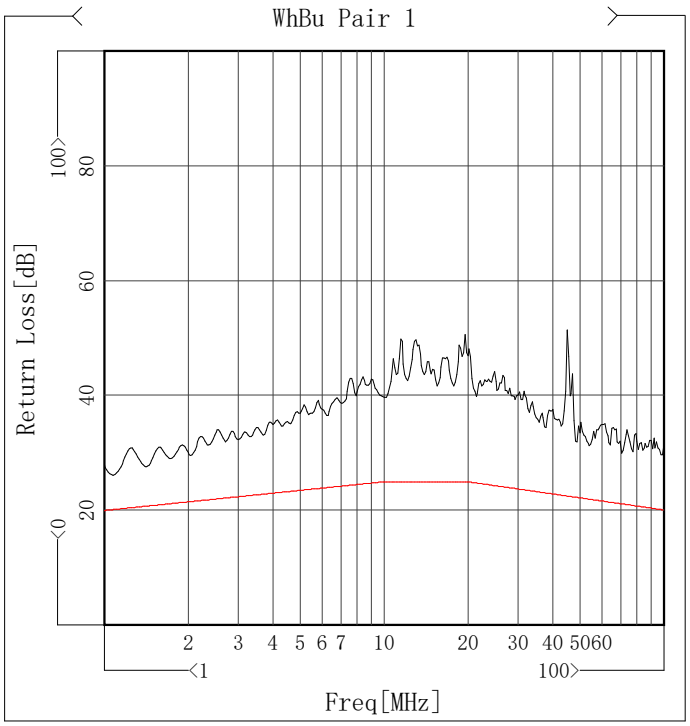


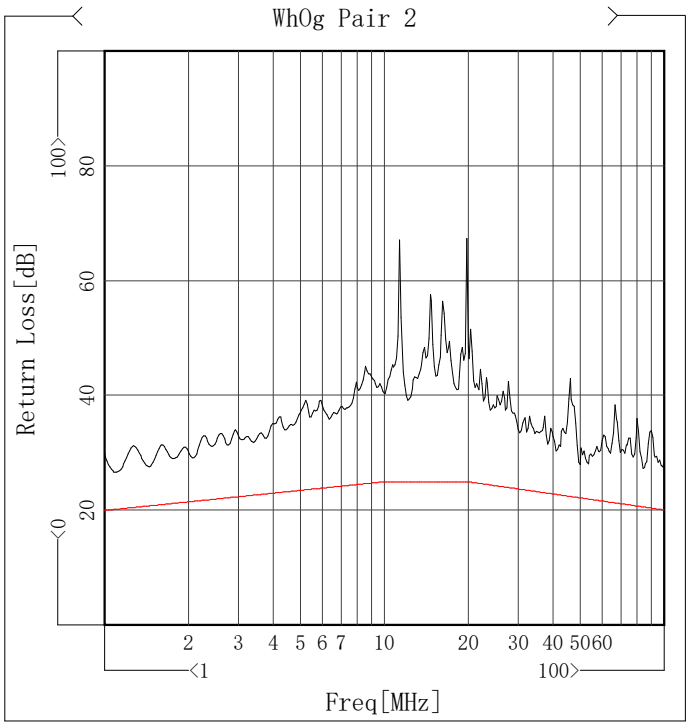


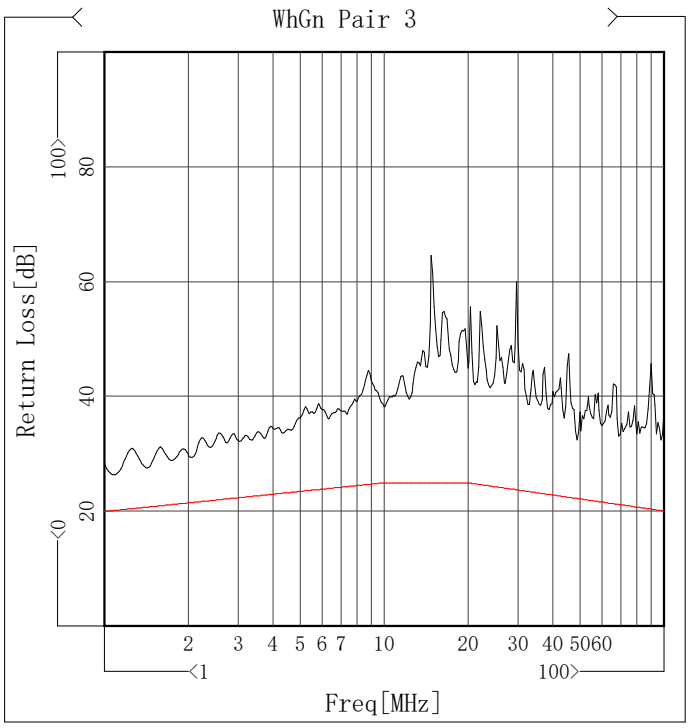


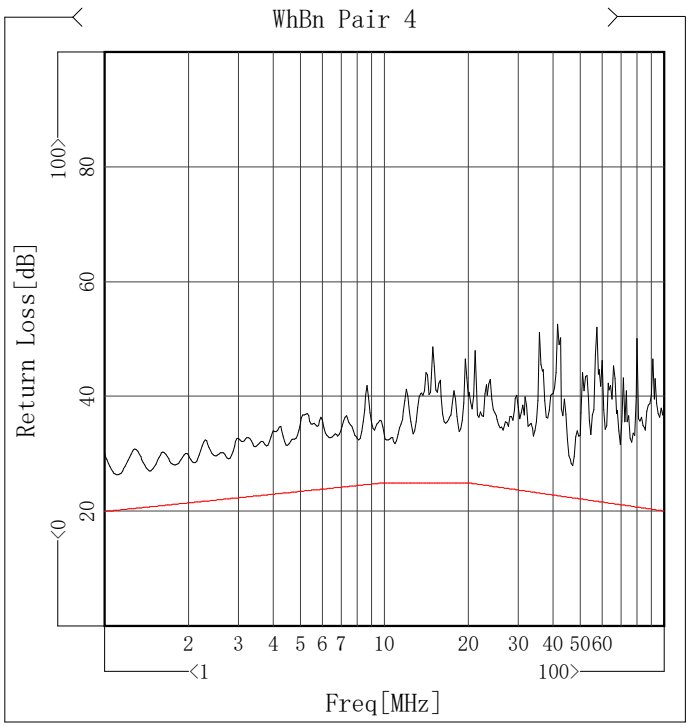
Return Loss

Item	Min [dB]	Freq[MHz]	Spec [dB]	Margin [dB]
WhBu Pair 1	26.22	1.10	20.20	6.02
WhOg Pair 2	27.99	50.35	22.19	5.80
WhGn Pair 3	26.35	1.10	20.20	6.15
WhBn Pair 4	27.96	47.80	22.35	5.61



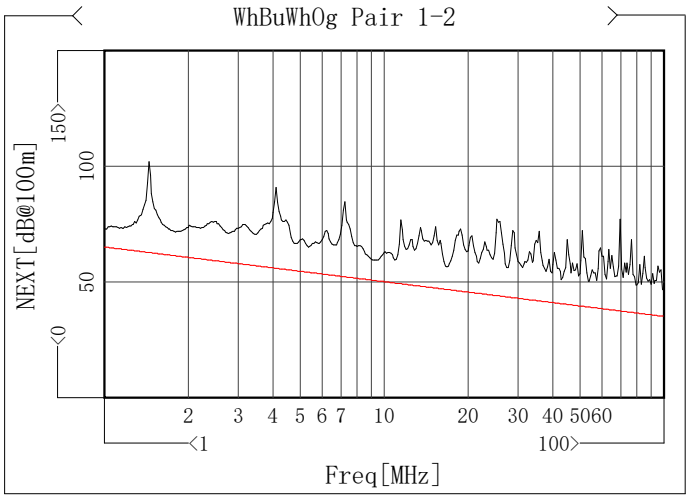


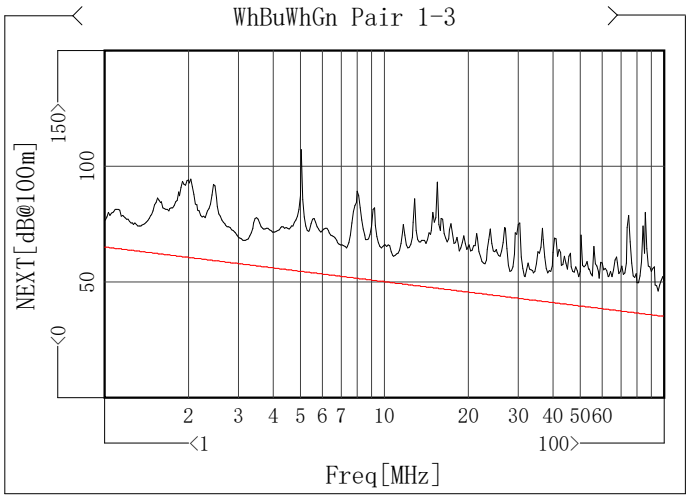


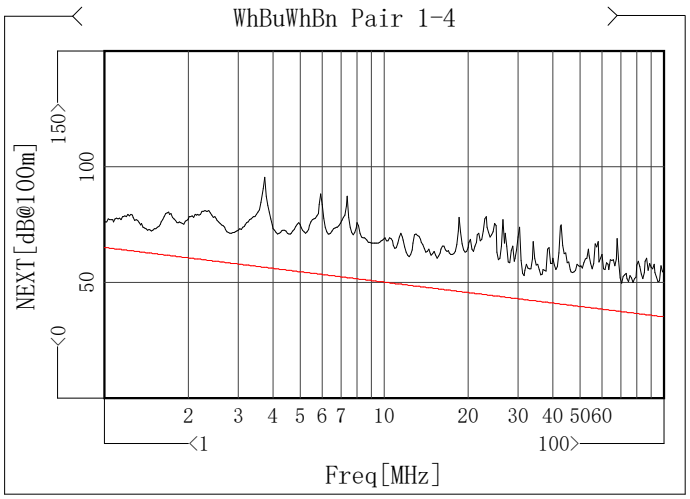


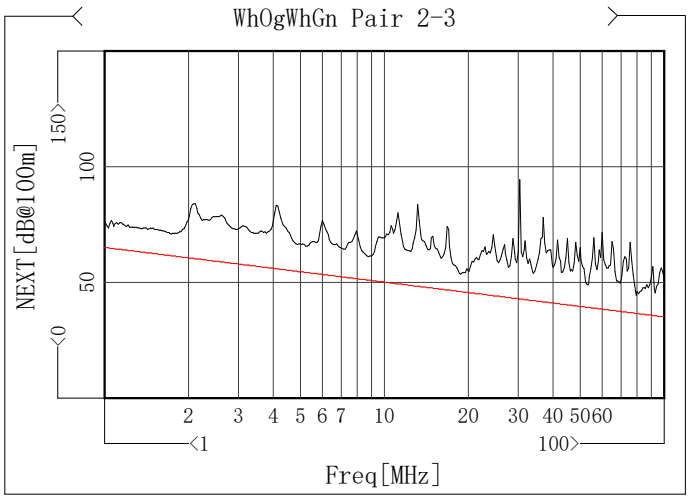
NEXT

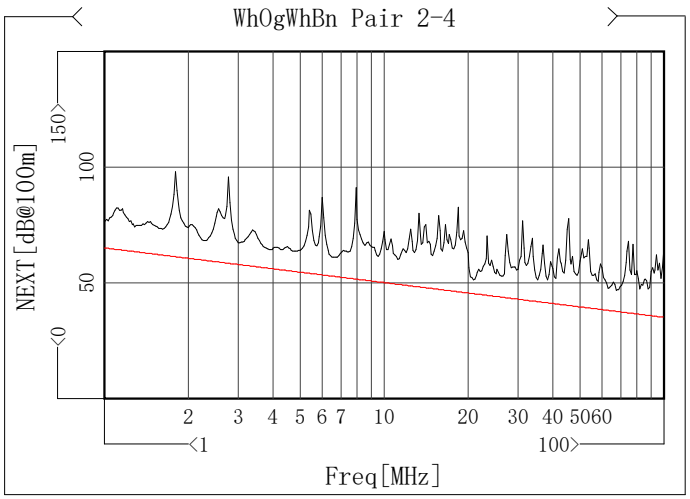
Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBuWhOg Pair 1-2	72.99	1.01	65.21	7.78
WhBuWhGn Pair 1-3	52.54	32.40	42.64	9.90
WhBuWhBn Pair 1-4	72.31	1.49	62.70	9.61
WhOgWhGn Pair 2-3	53.75	18.90	46.15	7.60
WhOgWhBn Pair 2-4	51.63	21.08	45.44	6.19
WhGnWhBn Pair 3-4	54.95	18.14	46.42	8.53

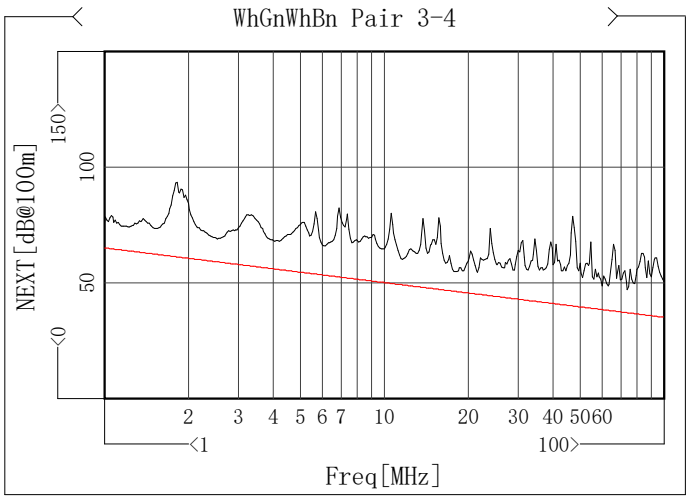






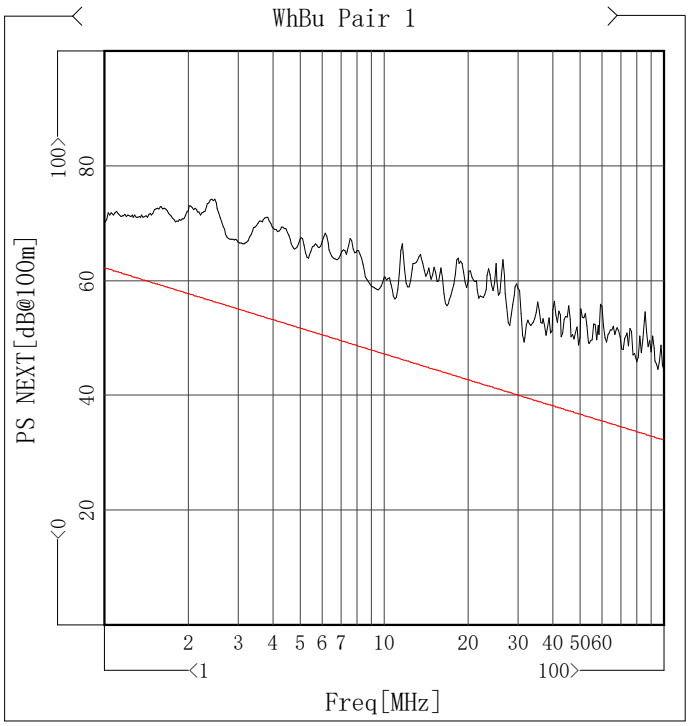


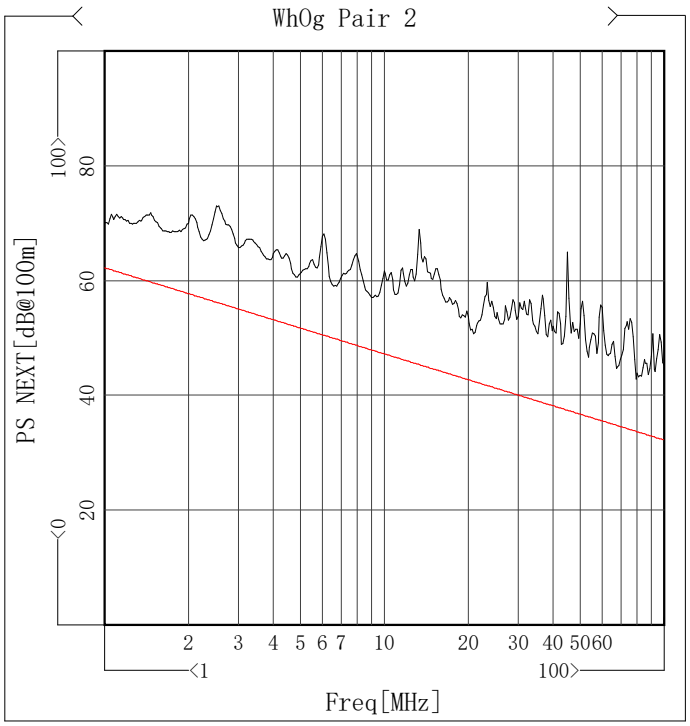


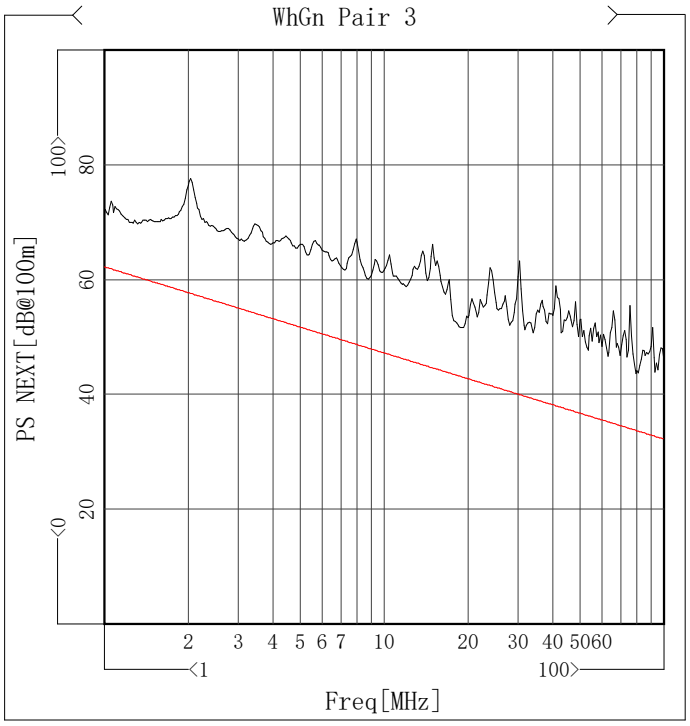


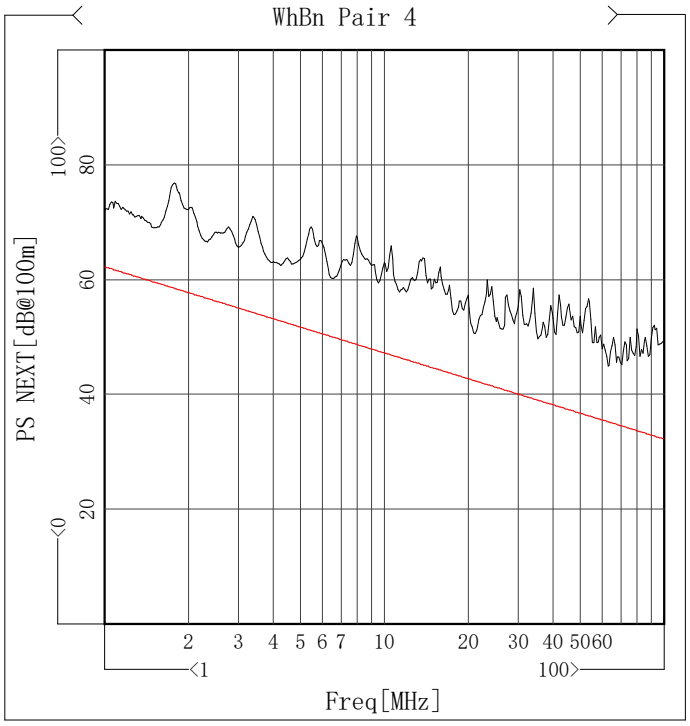
PS NEXT

Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBu Pair 1	70.31	1.01	62.21	8.10
WhOg Pair 2	70.06	1.00	62.30	7.76
WhGn Pair 3	51.67	19.09	43.09	8.58
WhBn Pair 4	50.68	21.34	42.36	8.32



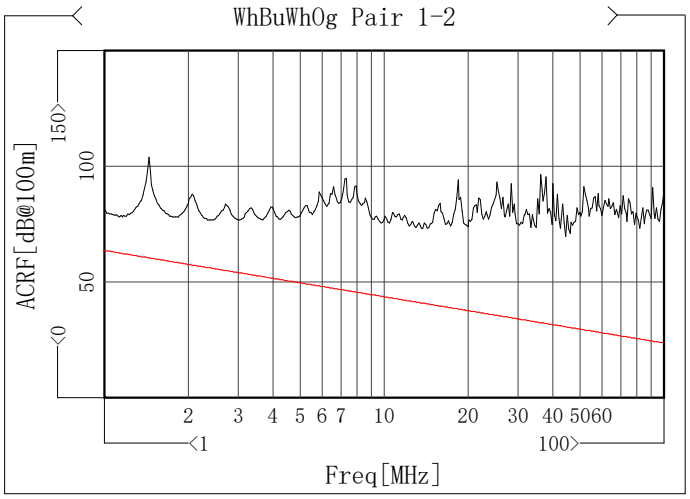


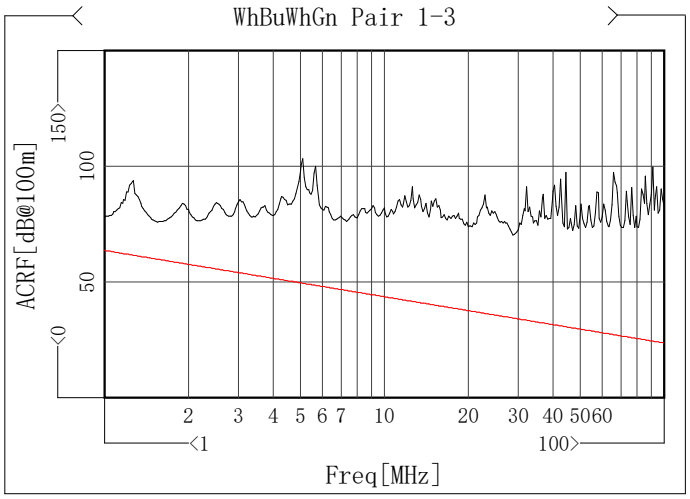


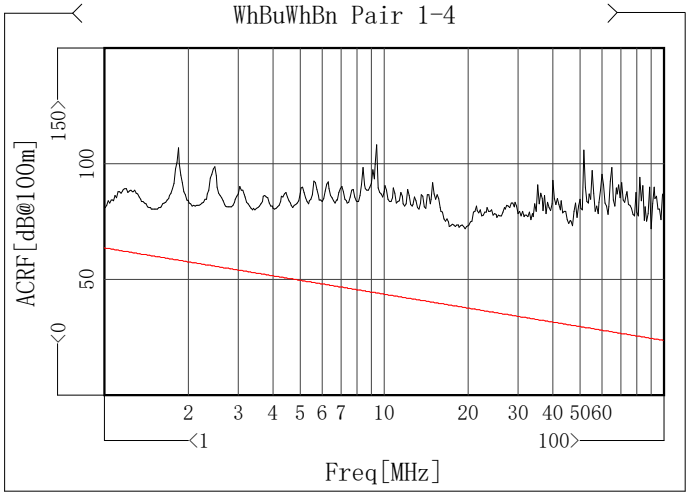


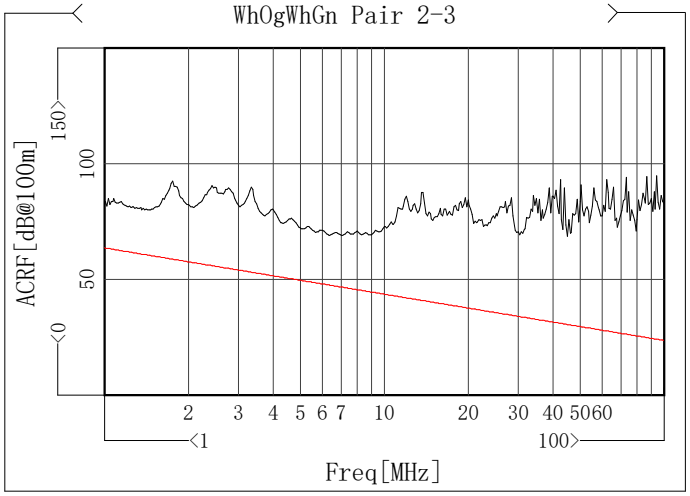
ACRF

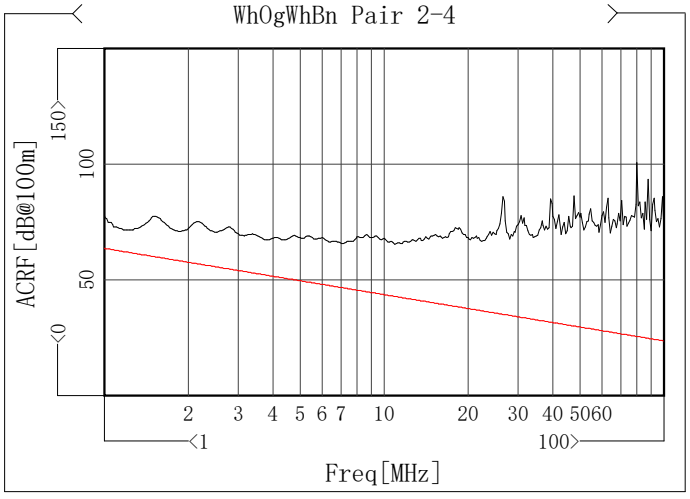
Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBuWhOg Pair 1-2	78.11	1.15	62.59	15.52
WhBuWhGn Pair 1-3	77.81	1.00	63.80	14.01
WhBuWhBn Pair 1-4	81.19	1.01	63.68	17.51
WhOgWhGn Pair 2-3	81.73	1.03	63.57	18.16
WhOgWhBn Pair 2-4	71.66	1.20	62.19	9.47
WhGnWhBn Pair 3-4	75.06	1.00	63.80	11.26

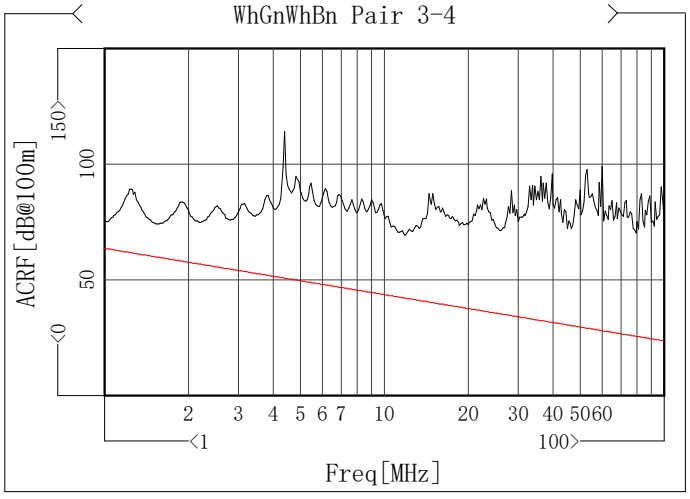






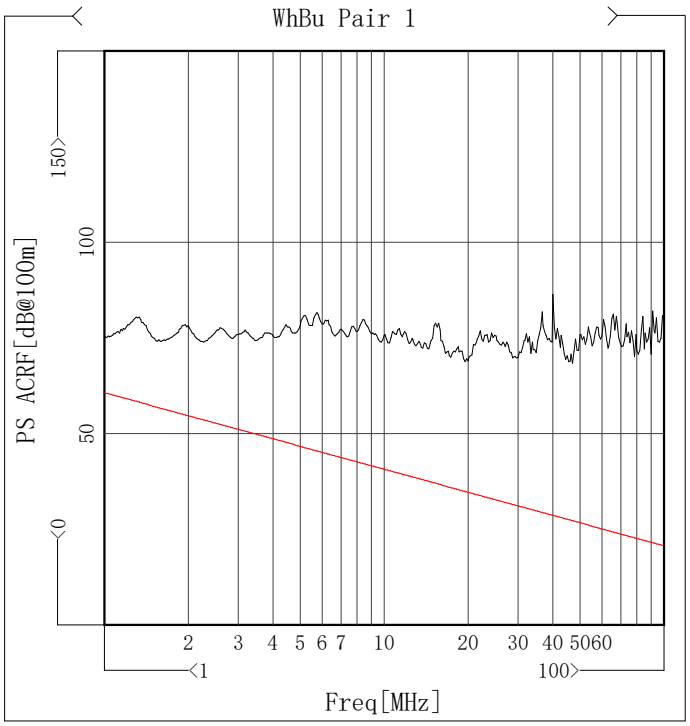


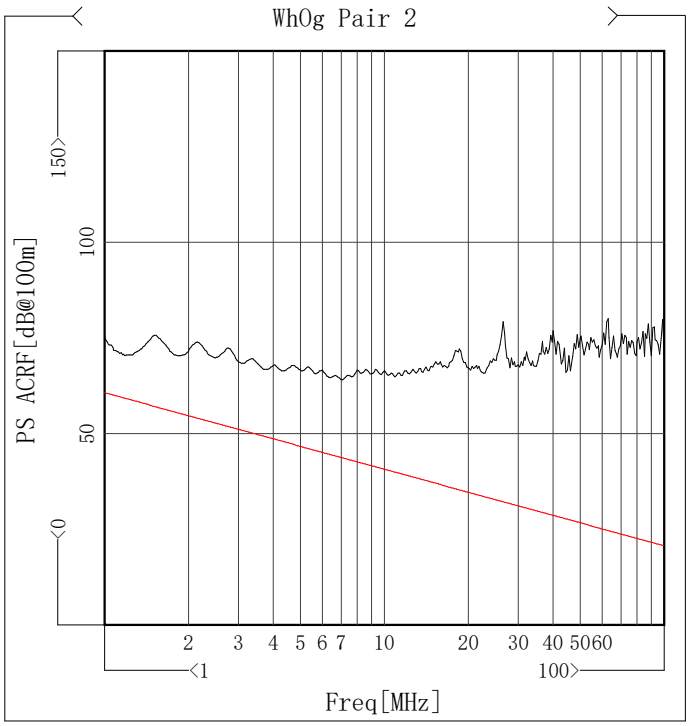


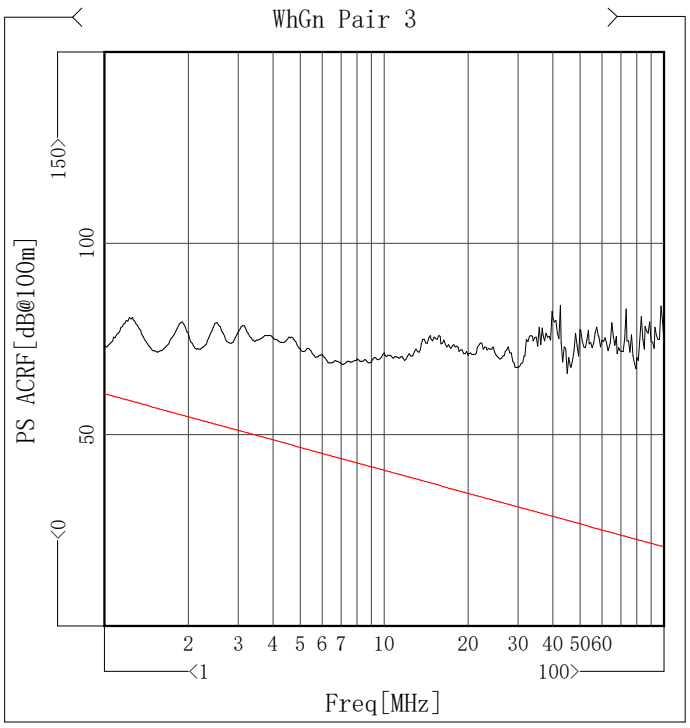


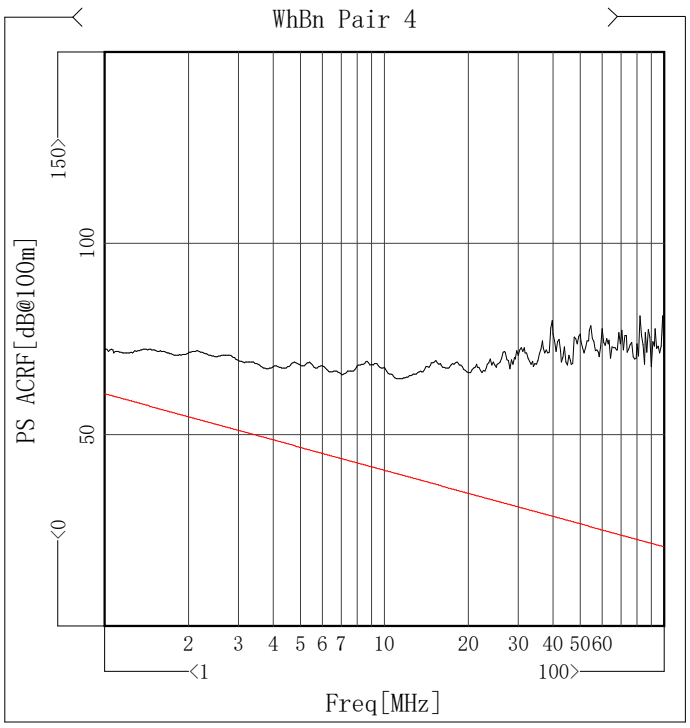
PS ACRF

Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBu Pair 1	75.03	1.00	60.80	14.23
WhOg Pair 2	70.73	1.18	59.39	11.34
WhGn Pair 3	72.69	1.00	60.80	11.89
WhBn Pair 4	71.85	1.04	60.45	11.40









Insertion Loss[dB/100m]

No.	Freq [MHz]	Spec (Max)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	2.04	1.96 ↑	1.93	1.95	1.90
2	4	4.05	3.95 ↑	3.89	3.92	3.83
3	8	5.77	5.64 ↑	5.56	5.61	5.47
4	10	6.47	6.34 ↑	6.24	6.30	6.15
5	16	8.25	8.09 ↑	7.98	8.04	7.87
6	20	9.27	9.10 ↑	8.97	9.05	8.85
7	25	10.42	10.22 ↑	10.11	10.17	9.95
8	31.25	11.72	11.51 ↑	11.38	11.45	11.23
9	50	15.07	14.78 ↑	14.63	14.69	14.44
10	62.5	16.99	16.69 ↑	16.48	16.68	16.25
11	100	21.98	21.57 ↑	21.26	21.26	20.11

Delay[ns/100m]

No.	Freq [MHz]	Spec (Max)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	570	527.26 ↑	516.54	523.63	511.50
2	4	552	506.72 ↑	496.14	503.08	491.31
3	8	546.73	500.68 ↑	490.14	497.04	485.37
4	10	545.38	499.07 ↑	488.54	495.42	483.78
5	16	543	496.40 ↑	485.89	492.75	481.16
6	20	542.05	495.26 ↑	484.76	491.62	480.04
7	25	541.2	494.31 ↑	483.81	490.66	479.10
8	31.25	540.44	493.45 ↑	482.96	489.80	478.26
9	50	539.09	491.88 ↑	481.40	488.22	476.71
10	62.5	538.55	491.28 ↑	480.80	487.62	476.12
11	100	537.6	490.15 ↑	479.69	486.50	475.01

Delay Skew[ns/100m]

No.	Freq [MHz]	Spec (Max)	WhBuWhOg Pair 1-2	WhBuWhGn Pair 1-3	WhBuWhBn Pair 1-4	WhOgWhGn Pair 2-3	WhOgWhBn Pair 2-4	WhGnWhBn Pair 3-4
1	1	45	10.71	3.62	15.76 ↑	7.09	5.05	12.13
2	4	45	10.58	3.64	15.42 ↑	6.94	4.84	11.78
3	8	45	10.54	3.64	15.31 ↑	6.89	4.78	11.67
4	10	45	10.53	3.65	15.29 ↑	6.88	4.76	11.64
5	16	45	10.51	3.65	15.24 ↑	6.86	4.74	11.60
6	20	45	10.50	3.65	15.22 ↑	6.85	4.72	11.58
7	25	45	10.49	3.65	15.21 ↑	6.84	4.71	11.56
8	31.25	45	10.49	3.65	15.19 ↑	6.84	4.71	11.54
9	50	45	10.48	3.65	15.17 ↑	6.83	4.69	11.52
10	62.5	45	10.47	3.65	15.16 ↑	6.82	4.68	11.51
11	100	45	10.47	3.65	15.14 ↑	6.81	4.67	11.49

Return Loss[dB]

No.	Freq [MHz]	Spec (Min)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	20	28.01 ↓	29.93	28.61	30.23
2	4	23.01	35.14	35.00	34.75	33.61 ↓

Return Loss[dB](Continuation 1)

No.	Freq [MHz]	Spec (Min)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
3	8	24.52	40.11	42.00	39.31	33.07 ↓
4	10	25	39.70	40.36	38.33	33.28 ↓
5	16	25	42.90	46.32	47.18	42.76 ↓
6	20	25	47.00	50.28	45.35	40.42 ↓
7	25	24.32	44.09	37.94	43.53	37.31 ↓
8	31.25	23.64	39.50	33.92 ↓	44.33	37.08
9	50	22.21	34.39	28.29 ↓	34.91	33.15
10	62.5	21.54	34.95	32.59 ↓	35.98	34.40
11	100	20.11	31.60	28.43 ↓	37.36	38.74

NEXT[dB@100m]

No.	Freq [MHz]	Spec (Min)	WhBuWhOg Pair 1-2	WhBuWhGn Pair 1-3	WhBuWhBn Pair 1-4	WhOgWhGn Pair 2-3	WhOgWhBn Pair 2-4	WhGnWhBn Pair 3-4
1	1	65.3	73.30 ↓	77.40	76.73	75.09	76.78	76.34
2	4	56.27	77.17	71.98	75.61	74.42	64.67 ↓	68.77
3	8	51.75	65.78 ↓	84.17	73.14	71.83	87.12	68.77
4	10	50.3	63.00 ↓	66.25	69.11	69.29	72.32	64.95
5	16	47.24	67.64	72.98	62.56	61.66 ↓	74.43	75.74
6	20	45.78	63.41	65.35	65.07	55.08 ↓	63.35	59.61
7	25	44.33	62.35	63.18	75.37	66.33	55.08 ↓	60.69
8	31.25	42.88	57.58 ↓	63.20	61.67	67.70	61.41	66.91
9	50	39.82	52.95 ↓	53.14	57.39	61.24	56.31	56.47
10	62.5	38.36	53.30	55.81	56.08	57.73	51.26 ↓	51.45
11	100	35.3	46.43 ↓	50.00	55.89	51.64	65.63	50.62

PS NEXT[dB@100m]

No.	Freq [MHz]	Spec (Min)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	62.3	70.64	70.06 ↓	71.40	71.84
2	4	53.27	69.55	64.01	66.33	62.99 ↓
3	8	48.75	64.98	64.71 ↓	66.94	67.26
4	10	47.3	60.65 ↓	61.69	61.71	63.00
5	16	44.24	61.07	60.43 ↓	61.19	62.01
6	20	42.78	59.74	53.95	53.46 ↓	57.27
7	25	41.33	59.60	54.01	58.03	53.99 ↓
8	31.25	39.88	54.90 ↓	55.39	59.12	57.25
9	50	36.82	49.28 ↓	50.78	51.02	51.80
10	62.5	35.36	50.05	48.58	49.40	47.64 ↓
11	100	32.3	44.52 ↓	45.25	45.93	49.39

ACRF[dB@100m]

No.	Freq [MHz]	Spec (Min)	WhBuWhOg Pair 1-2	WhBuWhGn Pair 1-3	WhBuWhBn Pair 1-4	WhOgWhGn Pair 2-3	WhOgWhBn Pair 2-4	WhGnWhBn Pair 3-4
1	1	63.8	81.25	77.81	81.35	82.11	78.02	75.06 ↓
2	4	51.76	82.54	79.04	81.86	80.53	67.99 ↓	82.37
3	8	45.74	91.68	78.01	84.58	70.70	67.99 ↓	79.64
4	10	43.8	77.14	82.23	87.93	73.06	68.10 ↓	77.61

ACRF[dB@100m](Continuation 1)

No.	Freq [MHz]	Spec (Min)	WhBuWhOg Pair 1-2	WhBuWhGn Pair 1-3	WhBuWhBn Pair 1-4	WhOgWhGn Pair 2-3	WhOgWhBn Pair 2-4	WhGnWhBn Pair 3-4
5	16	39.72	83.91	81.72	82.18	80.32	69.14 ↓	80.28
6	20	37.78	74.14	74.33	73.28	84.15	68.35 ↓	74.01
7	25	35.84	85.46	80.51	78.41	76.74	70.24 ↓	74.42
8	31.25	33.9	75.83	75.04	77.78	70.46 ↓	77.53	77.18
9	50	29.82	79.56	75.17 ↓	82.93	77.89	78.65	83.52
10	62.5	27.88	85.24	80.55	83.00	81.49	75.91 ↓	79.72
11	100	23.8	88.94	82.74	87.60	82.75	71.10 ↓	76.02

PS ACRF[dB@100m]

No.	Freq [MHz]	Spec (Min)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	60.8	75.03	75.31	72.69	72.65 ↓
2	4	48.76	76.10	67.61 ↓	75.66	67.66
3	8	42.74	76.99	66.12 ↓	69.51	67.61
4	10	40.8	75.70	66.50 ↓	71.38	67.60
5	16	36.72	77.64	68.68	75.84	68.60 ↓
6	20	34.78	69.11	67.24	70.93	66.33 ↓
7	25	32.84	75.82	69.26	71.78	68.37 ↓
8	31.25	30.9	71.27	68.74	68.52 ↓	72.67
9	50	26.82	73.20	73.39	72.87 ↓	76.00
10	62.5	24.88	77.70	74.25	75.25	73.61 ↓
11	100	20.8	80.79	70.74	74.48	69.81 ↓